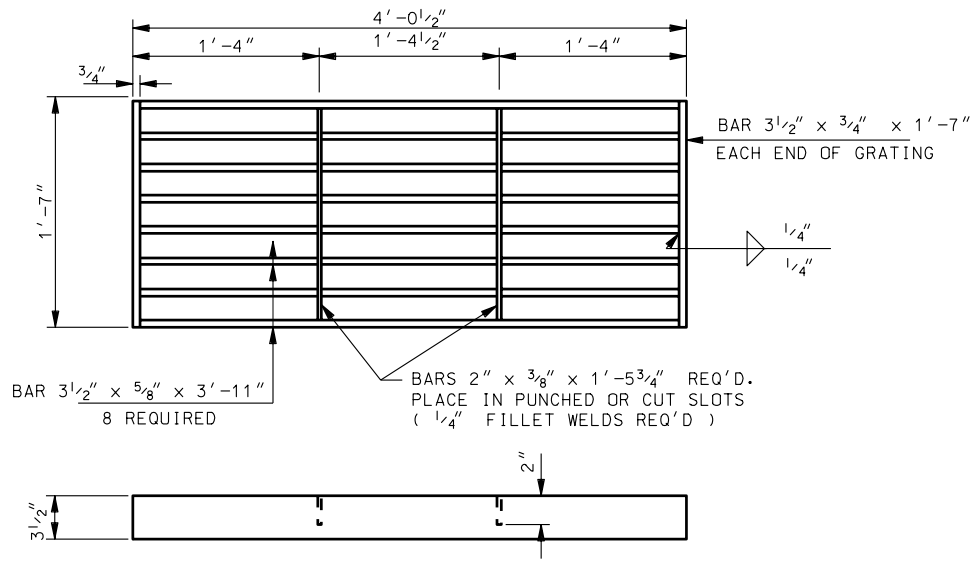
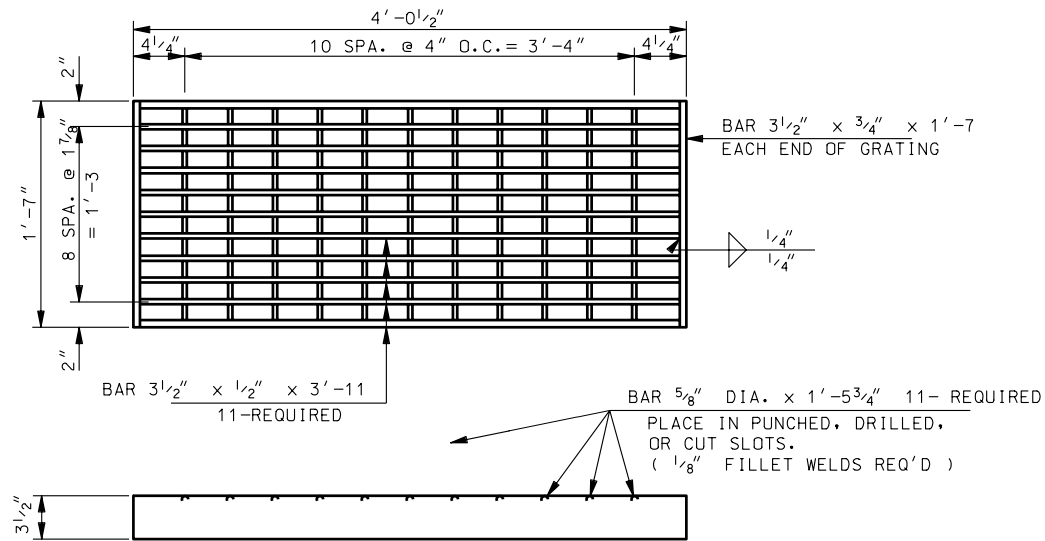


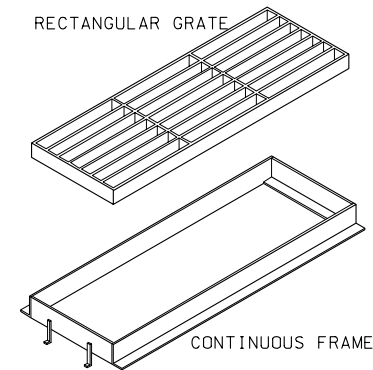
15-DEC-2004 DGN File: N:\\Ead\\Standard Drawings\\Imperial\\2005\\Approved\\Grates Frames and Trash Racks (GF\\Ngr03.dgn



STANDARD GRATING
GRATE WEIGHT: 272 LBS



BICYCLE-SAFE GRATING
GRATE WEIGHT: 297 LBS



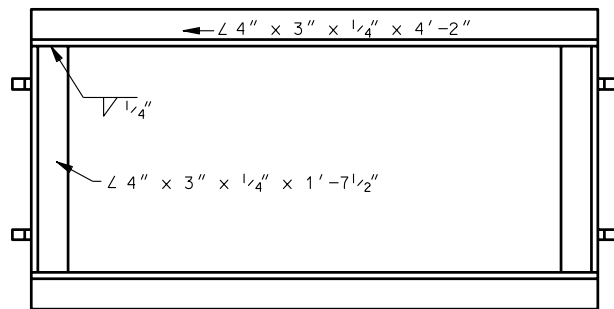
NOTES:

1. HOT-DIP GALVANIZE GRATING AND FRAME AFTER FABRICATION IN ACCORDANCE WITH AASHTO DESIGNATION M 111 (ASTM A 123).
2. STRUCTURAL STEEL GRATING: USE STRUCTURAL CARBON STEEL CONFORMING TO AASHTO DESIGNATION M 270, GRADE 36 (ASTM A 709 GRADE 36).
3. SEE ROADWAY PLANS FOR TYPE OF GRATE REQUIRED.
4. ALL JOINTS REQUIRE 1/4" FILLET WELDS UNLESS NOTED OTHERWISE.

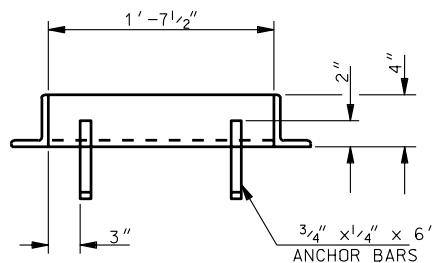
DESIGN DATA

MS 18 (HS-20) OR INTERSTATE ALTERNATE LOADING IN ACCORDANCE WITH CURRENT ASSHTO AND INTERIM SPECIFICATIONS.

STRUCTURAL STEEL: fs = 20,000 psi



FRAME
FRAME WEIGHT: 68 LBS



UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION

RECOMMENDED FOR APPROVAL
CHAIRMAN STANDARDS COMMITTEE
APPROVED
DEPUTY DIRECTOR
DATE
JAN.01.2005
DATE
JAN.01.2005

RECTANGULAR GRATE
AND FRAME

STANDARD DRAWING TITLE

STD DWG
GF 3

REVISIONS

REMARKS

NO. DATE APPR.